BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :PACKAGE-6 : 1) IMPROVEMENTS TO OPEN SPACES IN DIFFERENT PLAY GROUND IN WARD NO. 09 (VIDYARANYAPURA), VIDYARANYAPURA SUB DIVISION. 2) IMPROVEMENTS AND ASPHALTING TO ROADS AND DRAINS NEAR CHAMUNDESHWARI TEMPLE AREA, DODDABOMMASANDRA IN WARD NO. 09 (VIDYARANYAPURA), VIDYARANYAPURA SUB DIVISION. 3) ASPHALTING TO BALANCE ROADS AT BEL LAYOUT, HMT LAYOUT, NTI LAYOUT, DEFENCE LAYOUT, THINDLU AND SURROUNDING AREAS IN WARD NO. 09 (VIDYARANYAPURA), VIDYARANYAPURA SUB DIVISION.

Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly dressed as per specifications.Specification. No. KBS 2.1(a)/2.3.1(P.No.5-I.No.2.1)	Cum							
	Desilting drain								
	HMT LAYOUT								
	7th Block 7th Cross Road		2	179.00	0.60	0.45	96.66		
	7th Block 10th Cross Road		2	76.80	0.70	0.45	48.38		
	7th Block 9th Cross Road		2	98.70	0.65	0.45	57.74		
	7th Block 9th ACross Road		2	60.90	0.65	0.40	31.67		
	7th block 8th Cross Road		2	106.00	0.60	0.40	50.88		
	4th Block 13th Cross Road		2	190.00	0.70	0.40	106.40		
	5th Block 12th Main 20th Cross Road		2	369.00	0.80	0.45	265.68		
	5th Block 18th Cross Road		2	153.50	0.70	0.40	85.96		
	5th Block 17th Cross Road		2	151.70	0.60	0.45	81.92		
	5th Block 19th Cross Road		2	154.60	0.40	0.40	49.47		
	1st Block 11th Main Road		2	240.90	0.70	0.45	151.77		
	DEFENCE LAYOUT								
	5th Main 5th Road		2	405	0.80	0.40	259.07		
	2nd Road		2	347	0.80	0.45	249.84		
	New Drain								
	MUNINARAYANAPPA LAYOUT								
	5th Cross Road ward no. 9		1	44.40	0.60	0.60	15.98		
	8th cross road		2	51.20	0.60	0.60	36.86		
	Desilting drain								
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		2	61.38	0.60	0.40	29.46		
	sri krishna temple Main Road		2	139.90	0.80	0.40	89.54		
	Renukamma temple Road		2	210.00	0.75	0.40	126.00		
			1	130.00	0.80	0.40	41.60		
	5th Cross Road ward no. 9		1	44.40	0.60	0.40	10.66		
	8th Cross Road		1	51.20	0.50	0.40	10.24		
	Total						**1895.78**	200.00	**379157.00**
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 (M7.5) with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (P.No.12/I.No. 4.3)	Cum							

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
	New Drain								
	MUNINARAYANAPPA LAYOUT								
	5th Cross Road ward no. 9		1	44.40	0.60	0.15	4.00		
	8th cross road		2	51.20	0.60	0.15	9.22		
	Total						**13.21**	7000.00	**92484.0**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 (M7.5) with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (P.No.12/I.No. 4.3)	Cum							
	Vishwanandha Garden								
	For Fencing		1	48.66	0.90	0.15	6.57		
	FLAG POLE								
	For Fencing		1	15.67	0.90	0.15	2.12		
	Play-Ground near Lake								
	For Fencing		1	28.65	0.90	0.15	3.87		
	Dr.Raj public library								
	For compound		1	9.00	0.90	0.15	1.22		
	Total						**13.77**	6000.00	**82604.00**
4	Removing B.S.slab of Drain and stacking.(P.No.25-I.No.5.32)	Sqm							
	Drain slab								
	HMT LAYOUT								
	7th Block 7th Cross Road		2	179.00	1.80		644.40		
	7th Block 10th Cross Road		2	76.80	1.80		276.48		
	7th Block 9th Cross Road		2	98.70	0.65		128.31		
	7th Block 9th ACross Road		2	60.90	0.65		79.17		
	7th block 8th Cross Road		2	106.00	1.80		381.60		
	4th Block 13th Cross Road		2	190.00	1.80		684.00		
	5th Block 12th Main 20th Cross Road		2	369.00	1.80		1328.40		
	5th Block 18th Cross Road		2	153.50	1.80		552.60		
	5th Block 17th Cross Road		2	151.70	1.80		546.12		
	5th Block 19th Cross Road		2	154.60	1.80		556.56		
	1st Block 11th Main Road		2	240.90	1.80		867.24		
	Closed drain								
	Cover Slab								
	DEFENCE LAYOUT								
	5th Main 5th Road		2	405	0.80		648.00		
	Closed Drain								
	Cover Slab								
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		2	61.38	0.60		73.66		
	sri krishna temple Main Road		2	139.99	0.80		223.98		
	Renukamma temple Road		2	210.00	0.75		315.00		
	5th Cross Road ward no. 9		1	44.40	0.60		26.64		
	Open Drain (Sides & Bottom)								
	Renukamma temple Road		1	130.00	1.80		234.00		
	Sub Total						**7566.16**		
	Consider 5% Qnty for Removing						**378.31**		

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
5	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25-I.No.5.33)	Sqm							
	Closed drain								
	Cover Slab								
	DEFENCE LAYOUT								
	5th Main 5th Road		2	405	1.80		1458.00		
	Closed Drain								
	Cover Slab								
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		2	61.38	0.60		73.66		
	sri krishna temple Main Road		2	139.90	0.80		223.84		
	Renukamma temple Road		2	210.00	0.75		315.00		
	5th Cross Road ward no. 9		1	44.40	0.60		26.64		
	Sub Total						**2097.14**		
	Consider 30% Qnty for Removing & Refixing						**629.14**		
	Total Qty						**629.14**		
	Qty upto 125%						**510.29**	95.00	**48477.00**
	Qty Above 125%						**118.85**	92.81	**11030.00**
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
	Compair with Tender Rate	**15.20**							
	Tender Premium for this Qty @ +15.20%	12.25							
	Total	**92.81**							
6	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. (P.No.25,I.No.5.31.1)	Sqm							
	Drain slab								
	Cover Slab								
	DEFENCE LAYOUT								
	5th Main 5th Road		2	405	1.80		1458.00		
	Sub Total						**1458.00**		
	Consider 5% Qnty for Refixing						**72.90**		
	Drain slab								
	Cover Slab								
	MUNINARAYANAPPA LAYOUT								
	New Drain								
	5th Cross Road ward no. 9		1	44.40	0.60		26.64		
	8th Cross Road		2	51.20	0.60		61.44		
	Total Qty						**160.98**		
	Qty upto 125%						**155.63**	850.00	**132281.00**
	Qty Above 125%						**5.36**	810.00	**4338.00**
	Basic Rate	628.00							
	Area Weightage @ 6%	37.68							
	Total	**665.68**							
	Compair with Tender Rate	**21.68**							
	Tender Premium for this Qty @ +21.68%	144.32							
	Total	**810.00**							
7	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. (P.No.25,I.No.5.31.2)	Sqm							
	Open Drain (Sides & Bottom)								
	Drain slab								
	HMT LAYOUT								

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Description of work	Unit	Measurement No	L	B	D	Qty	Rate	Amount
7th Block 7th Cross Road		2	175.00	1.80		630.00		
7th Block 10th Cross Road		2	76.80	1.80		276.48		
7th Block 6th Cross Road		2	98.70	1.80		355.32		
4th Block 13th Cross Road		2	60.00	1.80		216.24		
5th Block 9th A Cross Road		2	108.00	1.80		388.80		
7th Block 6th Cross Road		2	160.00	1.80		554.10		
4th Block 13th Cross Road		2	169.00	1.80		1026.40		
5th Block 12th Main 20th Cross Road		2	153.50	1.80		552.60		
5th Block 18th Cross Road		2	151.70	1.80		546.12		
5th Block 17th Cross Road		2	154.80	1.80		557.28		
5th Block 19th Cross Road		2	240.60	1.80		867.24		
1st Block 11th Main Road								
DEFENCE LAYOUT								
2nd Road		2	323	1.80		1162.80		
1		1	130.00	1.80		234.00		
Ramakrishna temple Road						7826.56	✓	
Sub Total						391.43	✓	
Consider 5% Only for Refilling								
New drain								
MUNINARAYANAPPA LAYOUT								
5th Cross Road ward no. 9								
At bottom		1	44.40	0.60		26.64		
At Sides		2	44.40	0.60		53.28		
5th cross road								
At bottom		2	44.40	0.60		53.28		
At Sides		4	44.40	0.60		106.56		
Sub Total						239.76		
Total Qty						631.19	800.00	5680859.00
						✓	✓	✓
Providing granite slabs of selected quality roughly dressed hand s size of 10 cms thick and fixed in cement mortar (1:5) including fixing curing etc., complete. (P.No.25,I.No.5.31.2)	Sqm							
				Not Executed				
KSR& 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (P.No.142,I.No.19.1)	Cum							
Road cutting portions								
HMT LAYOUT								
7th block 7th Cross Road		1	4.95	0.45	0.23	0.51		
7th block 10th Cross Road		1	4.95	0.50	0.23	0.57		
7th block 6th Cross Road		1	4.60	0.30	0.23	0.32		
4th block 13th Cross Road		1	6.82	0.70	0.23	1.10		
5th block 12th Main 20th Cross Road		1	8.36	1.00	0.23	1.92		
DEFENCE LAYOUT								
5th Main 5th Road		1	307.20	0.90	0.23	63.59		
2nd Road		1	328.50	1.00	0.23	75.56		
Road cutting portions								
MUNINARAYANAPPA LAYOUT								
(short of manjunath cycle works)		4	3.08	1.30	0.23	3.68		
Ramakrishna temple Road		2	5.81	0.80	0.23	2.06		
		1	5.28	0.70	0.23	0.85		
		1	1.10	3.00	0.23	0.76		
Total						150.92	110.00	16601.00
						✓	✓	✓

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
10	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms.(Refer Table. Page No.139)	Cum							
	Considered same Qty vide I.No. 1 + I.No. 9						**2046.71**	150.00	**307006.00**
11	KSRRB M400-17.Providing,laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet mix macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications.MORTH specification No.406(Page No.158,I.No.20.18)	Cum							
	Road cutting portions								
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		1	54.00	4.00	0.20	43.20		
	Renukamma temple Road		1	208.00	4.50	0.20	187.20		
			1	28.00	4.20	0.20	23.52		
			1	78.00	3.60	0.20	56.16		
	DEFENCE LAYOUT								
	5th Main 5th Road for road cutting and road widening		1	369.00	1.35	0.20	99.63		
	Road cutting portions								
	HMT LAYOUT								
	7th Block 7th Cross Road		1	179.00	0.90	0.20	32.22		
	7th Block 10th Cross Road		1	76.80	0.80	0.20	12.29		
	7th block 8th Cross Road		1	98.70	0.70	0.20	13.82		
	4th Block 13th Cross Road		1	190.00	1.20	0.20	45.60		
	7th Block 9th Cross Road		1	70.00	0.60	0.20	8.40		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.10	2.20	0.20	163.28		
	2nd Road		1	307.40	2.50	0.20	153.70		
	Road cutting portions								
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		4	6.00	1.30	0.20	6.24		
	Renukamma temple Road		2	8.00	0.80	0.20	2.56		
			1	10.00	1.00	0.20	2.00		
			1	8.00	3.00	0.20	4.80		
	Total Qty						**854.62**		
	Qty upto 125%						**198.83**	2100.00	**417533.00**
	Qty Above 125%						**655.80**	2047.61	**1342815.00**
	Basic Rate	1668.00							
	Area Weightage @ 6%	100.08							
	Total	**1768.08**							
	Compair with Tender Rate	**15.81**							
	Tender Premium for this Qty @ +15.81%	279.53							
	Total	**2047.61**							

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N	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
2	KSRRB 500-1.Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.(P.No.161,I.No.21.1)	Sqm							
	Road cutting portions								
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		1	54.00	4.00		216.00		
	Renukamma temple Road		1	208.00	4.50		936.00		
			1	28.00	4.20		117.60		
			1	78.00	3.60		280.80		
	5th Main 5th Road for road cutting and road widening		1	369.00	1.35		498.15		
	Road cutting portions								
	HMT LAYOUT								
	7th Block 7th Cross Road		1	179.00	0.90		161.10		
	7th Block 10th Cross Road		1	76.80	0.80		61.44		
	7th block 8th Cross Road		1	98.70	0.70		69.09		
	4th Block 13th Cross Road		1	190.00	1.20		228.00		
	7th Block 9th Cross Road		1	70.00	0.60		42.00		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.10	2.20		816.42		
	2nd Road		1	307.40	2.50		768.50		
	Road cutting portions								
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		4	6.00	1.30		31.20		
	Renukamma temple Road		2	8.00	0.80		12.80		
			1	10.00	1.00		10.00		
			1	8.00	3.00		24.00		
	Total Qty						**4273.10**		
	Qty upto 125%						**864.44**	15.00	**12967.00**
	Qty Above 125%						**3408.66**	14.90	**50790.00**
	Basic Rate	13.00							
	Area Weightage @ 6%	0.78							
	Total	**13.78**							
	Compair with Tender Rate	**8.13**							
	Tender Premium for this Qty @ +8.13%	1.12							
	Total	**14.90**							
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 **Page No. 151 / Item No. 21.7m PWD SR 2016-17**	Sqm							
	Considered same Above Qty						4273.10		
	Total Qty						**4273.10**		
	Qty upto 125%						**864.44**	22.00	**19018.00**
	Qty Above 125%						**3408.66**	17.14	**58425.00**
	Basic Rate	11.00							
	Area Weightage @ 6%	0.66							
	Total	**11.66**							

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
	Compair with Tender Rate	**47.00**							
	Tender Premium for this Qty @ +47.00%	5.48							
	Total	**17.14**							
14	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse as per design mix formula for base / binding courseincluding loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant,transporting the mixed material in tipper to paver and laying mixed materials, with paver finisher to the required level and grade,rolling by power roller to achieve the desired density,but excluding cost of primer/tack coat including lead,lift and cost of all materials,labour,HOM of machineries complete as per specifications MORTH chapter 5 Using 100/120 TPH capacity H.M.P with sensor paver Gr-II (50 mm to 75mm) with 3.4% VG - 30 Bitumen(P.No.162-I.No.21.11.2)	Cum							
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		1	53.91	4.00	0.05	10.78		
	Renukamma temple Road		1	207.79	4.50	0.05	46.75		
			1	28.15	4.20	0.05	5.91		
			1	77.94	3.60	0.05	14.03		
	DEFENCE LAYOUT								
	5th Main 5th Road for road cutting and road widening		1	369.00	1.35	0.05	24.91		
	HMT LAYOUT								
	7th Block 7th Cross Road		1	179.00	0.90	0.05	8.06		
	7th Block 10th Cross Road		1	76.80	0.80	0.05	3.07		
	7th block 8th Cross Road		1	98.70	0.70	0.05	3.45		
	4th Block 13th Cross Road		1	190.00	1.20	0.05	11.40		
	7th Block 9th Cross Road		1	70.00	0.60	0.05	2.10		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.10	2.20	0.05	40.82		
	2nd Road		1	307.40	2.50	0.05	38.43		
	MUNINARAYANAPPA LAYOUT								
	(infront of manjunath cycle works)		4	6.00	1.30	0.05	1.56		
	Renukamma temple Road		2	8.00	0.80	0.05	0.64		
			1	10.00	1.00	0.05	0.50		
			1	8.00	3.00	0.05	1.20		
	Total Qty						**213.61**		
	Qty upto 125%						**45.39**	6800.00	**308635.00**
	Qty Above 125%						**168.22**	6632.56	**1115745.00**
	Basic Rate	5409.00							
	Area Weightage @ 6%	324.54							
	Total	**5733.54**							
	Compair with Tender Rate	**15.68**							
	Tender Premium for this Qty @ +15.68%	899.02							
	Total	**6632.56**							
15	KSRRB 500-2.Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. (P.No.161,I.No.21.2).	Sqm							
	For Road surface								
	HMT LAYOUT								

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
	7th Block 7th Cross Road		1	179.00	4.50		805.50		
	7th Block 10th Cross Road		1	76.80	4.57		350.72		
	7th Block 9th Cross Road		1	98.70	4.43		436.75		
	7th Block 9th ACross Road		1	60.90	4.45		271.01		
	7th block 8th Cross Road		1	106.00	4.41		467.73		
	4th Block 13th Cross Road		1	190.00	6.99		1328.64		
	5th Block 12th Main 20th Cross Road		1	369.00	7.10		2621.44		
	5th Block 18th Cross Road		1	153.50	4.57		701.50		
	5th Block 17th Cross Road		1	151.70	4.57		693.27		
	5th Block 19th Cross Road		1	154.60	4.57		706.52		
	1st Block 11th Main Road		1	240.90	5.00		1204.50		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.10	6.97		2586.57		
			1	33.70	5.05		170.19		
	2nd Road		1	307.20	6.40		1966.08		
			1	40.30	6.40		257.92		
	For Road surface								
	MUNINARAYANAPPA LAYOUT								
	4th Cross Road ward no. 9		1	78.02	3.92		305.84		
	(infront of manjunath cycle works)		1	61.38	3.70		227.11		
	sri krishna temple Main Road		1	139.90	4.06		567.99		
	Renukamma temple Road		1	322.30	5.48		1766.20		
	4th Main 1st Cross C.Byrappa garden		1	55.40	4.75		263.15		
	8th Cross Road								
	Total						**17698.61**	4.00	**70794.00**
16	KSRRB M500-10.Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.20kg per sqm on the existing prepared bituminous surface cleaned with mechanical broom. complete as per specification. MORTH Specifiacation clause No. 503.using Bitumen 80/100 (VG-10) on Primed surface. (P.No.162,I.No. 21.10.2) .	Sqm							
	For Road surface								
	HMT LAYOUT								
	7th Block 7th Cross Road		1	179.00	4.50		805.50		
	7th Block 10th Cross Road		1	76.80	4.57		350.72		
	7th Block 9th Cross Road		1	98.70	4.43		436.75		
	7th Block 9th ACross Road		1	60.90	4.45		271.01		
	7th block 8th Cross Road		1	106.00	4.41		467.73		
	4th Block 13th Cross Road		1	190.00	6.99		1328.64		
	5th Block 12th Main 20th Cross Road		1	369.00	7.10		2621.44		
	5th Block 18th Cross Road		1	153.50	4.57		701.50		
	5th Block 17th Cross Road		1	151.70	4.57		693.27		
	5th Block 19th Cross Road		1	154.60	4.57		706.52		
	1st Block 11th Main Road		1	240.90	5.00		1204.50		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.10	6.97		2586.57		
			1	33.70	5.05		170.19		
	2nd Road		1	307.20	7.20		2211.84		
			1	40.30	6.40		257.92		
	For Road surface								

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
	MUNINARAYANAPPA LAYOUT								
	4th Cross Road ward no. 9		1	78.02	3.92		305.84		
	(infront of manjunath cycle works)		1	61.38	3.70		227.11		
	sri krishna temple Main Road		1	139.90	4.06		567.99		
	Renukamma temple Road		1	322.30	5.48		1766.20		
	4th Main 1st Cross C.Byrappa garden		1	55.40	4.75		263.15		
	8th Cross Road								
	Total						**17944.37**	10.00	**179444.00**
17	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler,transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects complete as per specifications. using 40/60 TPH capacity H.M.P with mechanical Paver Gr-II(30mm to 45mm) with 5.4% CRMB 55 (P.No.165- I.No.21.23.6)	Cum							
	HMT LAYOUT								
	7th Block 7th Cross Road		1	179.00	4.50	0.04	32.22		
	7th Block 10th Cross Road		1	76.80	4.57	0.04	14.04		
	7th block 8th Cross Road		1	98.70	4.43	0.04	17.49		
	7th Block 9th Cross Road		1	60.90	4.45	0.04	10.84		
	7th Block 9th ACross Road		1	106.00	4.41	0.04	18.70		
	4th Block 13th Cross Road		1	190.00	6.99	0.04	53.12		
	5th Block 12th Main 20th Cross Road		1	369.00	7.10	0.04	104.80		
	5th Block 18th Cross Road		1	153.50	4.57	0.04	28.06		
	5th Block 17th Cross Road		1	151.70	4.57	0.04	27.73		
	5th Block 19th Cross Road		1	154.60	4.57	0.04	28.26		
	1st Block 11th Main Road		1	240.90	5.00	0.04	48.18		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.10	6.85	0.04	101.68		
			1	33.70	5.05	0.04	6.81		
	2nd Road		1	307.20	7.08	0.04	87.00		
			1	40.30	6.40	0.04	10.32		
	MUNINARAYANAPPA LAYOUT								
	4th Cross Road ward no. 9		1	78.02	3.92	0.04	12.23		
	(infront of manjunath cycle works)		1	61.38	3.70	0.04	9.08		
	sri krishna temple Main Road		1	139.90	4.06	0.04	22.72		
	Renukamma temple Road		1	322.30	5.48	0.04	70.65		
	4th Main 1st Cross C.Byrappa garden		1	55.40	4.75	0.04	10.53		
	Total						**714.46**		
	Profile correction & Pot Hole Filling	**No.*(1/2)*Length*(20%*Width)*Depth**							
	HMT LAYOUT								
	7th Block 7th Cross Road		1	179.00	4.50	0.04	32.22		
	7th Block 10th Cross Road		1	76.80	4.57	0.04	14.03		
	7th Block 9th Cross Road		1	98.70	4.43	0.04	17.47		
	7th Block 9th ACross Road		1	60.90	4.45	0.04	10.84		
	7th block 8th Cross Road		1	106.00	4.41	0.04	18.71		
	4th Block 13th Cross Road		1	190.00	6.99	0.04	53.15		
	5th Block 12th Main 20th Cross Road		1	369.00	7.10	0.04	104.86		

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N.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
	5th Block 18th Cross Road		1	153.50	4.57	0.04	28.06		
	5th Block 17th Cross Road		1	151.70	4.57	0.04	27.73		
	5th Block 19th Cross Road		1	154.60	4.57	0.04	28.26		
	1st Block 11th Main Road		1	240.90	5.00	0.04	48.18		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.1	6.97	0.04	103.46		
			1	33.70	5.05	0.04	6.81		
	2nd Road		1	307.20	7.20	0.04	88.47		
			1	40.30	6.40	0.04	10.32		
	Profile correction & Pot Hole Filling	**No.*(1/2)*Length*(20%*Width)*Depth**							
	MUNINARAYANAPPA LAYOUT								
	4th Cross Road ward no. 9		1	78.02	3.92	0.04	12.23		
	(infront of manjunath cycle works)		1	61.38	3.75	0.04	9.21		
	sri krishna temple Main Road		1	139.90	4.06	0.04	22.72		
	Renukamma temple Road		1	322.30	5.48	0.04	70.65		
	4th Main 1st Cross C.Byrappa garden		1	55.40	4.75	0.04	10.53		
							717.90		
	Consider 9.25% of total Qty for Pot holes						**99.64**		
	Total						**814.10**	10000.00	**8140992.00**
18	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (P.No.185- I.No.24.15)	Sqm							
	HMT LAYOUT								
	7th Block 7th Cross Road		1	179.00	0.10		17.90		
	7th Block 10th Cross Road		1	76.80	0.10		7.68		
	7th Block 9th Cross Road		1	98.70	0.10		9.87		
	7th Block 9th ACross Road		1	60.90	0.10		6.09		
	7th block 8th Cross Road		1	106.00	0.10		10.60		
	4th Block 13th Cross Road		1	190.00	0.10		19.00		
	5th Block 12th Main 20th Cross Road		1	369.00	0.10		36.90		
	5th Block 18th Cross Road		1	153.50	0.10		15.35		
	5th Block 17th Cross Road		1	151.70	0.10		15.17		
	5th Block 19th Cross Road		1	154.60	0.10		15.46		
	1st Block 11th Main Road		1	240.90	0.10		24.09		
	DEFENCE LAYOUT								
	5th Main 5th Road		1	371.10	0.10		37.11		
			1	33.70	0.10		3.37		
	2nd Road		1	307.20	0.10		30.72		
			1	40.30	0.10		4.03		
	MUNINARAYANAPPA LAYOUT								
	4th Cross Road ward no. 9		1	78.02	0.10		7.80		
	(infront of manjunath cycle works)		1	61.38	0.10		6.14		
	sri krishna temple Main Road		1	139.90	0.10		13.99		
	Renukamma temple Road		1	322.30	0.10		32.23		
	4th Main 1st Cross C.Byrappa garden		1	55.40	0.10		5.54		
	Total						**319.04**	600.00	**191424.00**

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Description of work	Mesurement					Qty	Rate	Amount
	Unit	No	L	B	D			
KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.138- I.No.18.47)	Cum							
MUNINARAYANAPPA LAYOUT								
7th cross road		1	56.50	3.95	0.15	33.48		
MUNINARAYANAPPA LAYOUT								
5th Cross Road ward no. 9		1	44.40	2.10	0.15	13.99		
6th cross road		1	53.80	3.90	0.15	31.47		
8th cross road		1	51.20	2.80	0.15	21.50		
Total Qty						**100.44**		
Qty upto 125%						**69.78**	950.00	**66286.00**
Qty Above 125%						**30.66**	934.32	**28650.00**
Basic Rate	781.00							
Area Weightage @ 6%	46.86							
Total	**827.86**							
Compair with Tender Rate	**12.86**							
Tender Premium for this Qty @ +12.86%	106.46							
Total	**934.32**							
KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub-base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications.MORTH Specification No. 601, Item No. 22.1, Pg No. 176	Cum							
MUNINARAYANAPPA LAYOUT								
7th cross road		1	56.50	3.95	0.15	33.48		
MUNINARAYANAPPA LAYOUT								
5th Cross Road ward no. 9		1	44.40	2.10	0.15	13.99		
6th cross road		1	53.80	3.90	0.15	31.47		
8th cross road		1	51.20	2.80	0.15	21.50		
Total Qty						**100.44**		
Qty upto 125%						**69.78**	4500.00	**313988.00**
Qty Above 125%						**30.66**	4441.54	**136196.00**
Basic Rate	3761.00							
Area Weightage @ 6%	225.66							
Total	**3986.66**							
Compair with Tender Rate	**11.41**							
Tender Premium for this Qty @ +11.41%	454.88							
Total	**4441.54**							

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
21	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum	Cum							
	MUNINARAYANAPPA LAYOUT								
	7th cross road		1	56.50	3.95	0.125	27.90		
	MUNINARAYANAPPA LAYOUT								
	5th Cross Road ward no. 9		1	44.40	2.10	0.125	11.66		
	6th cross road		1	53.80	3.90	0.125	26.23		
	8th cross road		1	51.20	2.80	0.125	17.92		
	Sub Total						**83.70**		
	Consider 5% qty for camber correction						**4.18**		
	Total Qty						**87.88**		
	Qty upto 125%						**73.26**	6500.00	**476206.00**
	Qty Above 125%						**14.62**	6487.82	**94864.00**
	Basic Rate	5866.00							
	Area Weightage @ 6%	351.96							
	Total	**6217.96**							
	Compair with Tender Rate	**4.34**							
	Tender Premium for this Qty @ +4.34%	269.86							
	Total	**6487.82**							
22	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Conrete Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms and 2Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (P.No.192- I.No.24.57)	Sqm							
	MUNINARAYANAPPA LAYOUT								
	7th cross road		1	56.50	0.10		5.65		
	MUNINARAYANAPPA LAYOUT								
	5th Cross Road ward no. 9		1	44.40	0.10		4.44		
	6th cross road		1	53.80	0.10		5.38		
	8th cross road		1	51.20	0.10		5.12		
	Total Qty						**20.59**		

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Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
	Total						119.70	206.39	24705.00
	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with 90 Watts(P.NO 27, 4.36.1)	No	6				6		
	Basic rate							31250.00	
	Tender Premium @ +13.75%							4296.88	
							6	35546.88	213281.00
								Total	17592315.00

Rupees One Crore Seventy Five Lakh(s) Ninety Two Thousand Three Hundred Fifteen Only

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16 +/- Tender Premium.
3 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer 30/07
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

30/07

"Modified Estimate approved"

Technical Sanction
Accorded For RS 17592315.00
Head of A/C P311
CER NO TS/15/18-19 Dt: 30/7/18

TA CE (YNK)

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